

10656521\_CLSTITLES.txt

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10656521 on April 20, 2006

- 11 707/3 (2 OR, 9 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)
- 8 707/1 (3 OR, 5 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING
- 6 707/2 (2 OR, 4 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/2 .Access augmentation or optimizing
- 6 715/513 (3 OR, 3 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 PRESENTATION PROCESSING OF DOCUMENT  
715/513 .Structured document (e.g., HTML, SGML, ODA,  
CDA)
- 5 707/10 (3 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/10 .Distributed or remote access
- 5 715/501.1 (2 OR, 3 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 PRESENTATION PROCESSING OF DOCUMENT  
715/501.1 .Hypermedia
- 4 707/100 (3 OR, 1 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE
- 4 707/104.1 (0 OR, 4 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/104.1 .Application of database or data structure  
(e.g., distributed, multimedia, image)
- 4 707/5 (2 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)  
707/5 ..Query augmenting and refining (e.g., inexact  
access)
- 4 707/6 (0 OR, 4 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

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- 707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)  
707/6 ..Pattern matching access
- 4 715/968 (0 OR, 4 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
715/961 OPERATOR INTERFACE WITH VISUAL STRUCTURE OR FUNCTION DICTATED BY INTENDED USE  
715/965 .For process control and configuration  
715/966 ..Computer process (e.g., operation of computer)  
715/968 ...Interface for database querying and retrieval
- 3 705/53 (0 OR, 3 XR)  
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
705/51 .Usage protection of distributed data files  
705/52 ..Usage or charge determination  
705/53 ...Including third party for collecting or distributing payment (e.g., clearinghouse)
- 3 705/59 (1 OR, 2 XR)  
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
705/51 .Usage protection of distributed data files  
705/59 ..Licensing
- 3 705/8 (1 OR, 2 XR)  
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR MANAGEMENT ARRANGEMENT  
705/7 .Operations research  
705/8 ..Allocating resources or scheduling for an administrative function
- 2 340/995.18 (0 OR, 2 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/988 VEHICLE POSITION INDICATION  
340/995.1 .Map display  
340/995.14 ..Manipulation of map display or data  
340/995.18 ...Particular data storage
- 2 345/440 (0 OR, 2 XR)  
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY SYSTEMS  
345/418 COMPUTER GRAPHICS PROCESSING  
345/440 .Graph generating
- 2 382/220 (0 OR, 2 XR)  
Class 382 : IMAGE ANALYSIS  
382/181 PATTERN RECOGNITION  
382/209 .Template matching (e.g., specific devices that determine the best match)  
382/217 ..Electronic template  
382/218 ...Comparator  
382/220 ....Calculating weighted similarity or difference (e.g., don't-care areas)

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- 2 701/208 (0 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/200 NAVIGATION  
701/207 .Employing position determining equipment  
701/208 ..For use in a map data base system
- 2 701/209 (0 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION  
701/200 NAVIGATION  
701/207 .Employing position determining equipment  
701/208 ..For use in a map data base system  
701/209 ...Including route searching or determining  
device
- 2 705/57 (1 OR, 1 XR)  
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
705/51 .Usage protection of distributed data files  
705/57 ..Copy protection or prevention
- 2 705/80 (1 OR, 1 XR)  
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
705/80 ELECTRONIC NEGOTIATION
- 2 706/50 (0 OR, 2 XR)  
Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
KNOWLEDGE PROCESSING SYSTEM  
706/45 .Knowledge representation and reasoning  
706/46 technique  
706/50 ..Having specific management of a knowledge  
base
- 2 707/102 (0 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/102 .Generating database or data structure (e.g.,  
via user interface)
- 2 707/4 (0 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)  
707/4 ..Query formulation, input preparation, or  
translation
- 2 707/9 (0 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/9 .Privileged access
- 2 709/203 (1 OR, 1 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/201 DISTRIBUTED DATA PROCESSING  
709/203 .Client/server

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- 2 709/205 (0 OR, 2 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/204 COMPUTER CONFERENCING  
709/205 .Cooperative computer processing
- 2 709/218 (0 OR, 2 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/217 REMOTE DATA ACCESSING  
709/218 .Using interconnected networks
- 2 709/227 (2 OR, 0 XR)  
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
709/227 COMPUTER-TO-COMPUTER SESSION/CONNECTION  
ESTABLISHING
- 2 715/733 (2 OR, 0 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
INTERFACE)  
715/733 .For plural users or sites (e.g., network)
- 2 715/751 (0 OR, 2 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
INTERFACE)  
715/751 .Computer supported collaborative work between  
plural users
- 2 715/863 (2 OR, 0 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
INTERFACE)  
715/863 .Gesture-based
- 2 715/971 (0 OR, 2 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/971 COOPERATIVE DECISION SUPPORT SYSTEMS FOR GROUP  
OF USERS

## PLUS Search Results for S/N 10656521, Searched April 20, 2006

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6304864  
5701498  
5923736  
6047280  
6173277  
5793966  
5974441  
6253193  
6363488  
6389402  
6427140  
6222535  
6222535  
5442456  
5732219  
5933829  
6108656  
5491820  
5644718  
5765028  
6021307  
6188869  
6289342  
5206950  
6202061  
5530852  
5784608  
5953732  
5751286  
5878423  
6134547  
5802361  
6018342  
5408655  
5630117  
5781904  
5826261  
5423034  
5734883  
5937422  
5963967  
6205455  
5010500  
5204897  
5260999  
5331547  
5379366  
5392447  
5402339  
5438508

10656521\_CLS.txt

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10656521 on April 20, 2006

Original Classifications

3 707/1  
3 707/10  
3 707/100  
3 715/513  
2 707/2  
2 707/3  
2 707/5  
2 709/227  
2 715/501.1  
2 715/733  
2 715/863

Cross-Reference Classifications

9 707/3  
5 707/1  
4 707/104.1  
4 707/2  
4 707/6  
4 715/968  
3 705/53  
3 715/501.1  
3 715/513  
2 340/995.18  
2 345/440  
2 382/220  
2 701/208  
2 701/209  
2 705/59  
2 705/8  
2 706/50  
2 707/10  
2 707/102  
2 707/4  
2 707/5  
2 707/9  
2 709/205  
2 709/218  
2 715/751  
2 715/971

Combined Classifications

11 707/3  
8 707/1  
6 707/2  
6 715/513  
5 707/10  
5 715/501.1  
4 707/100  
4 707/104.1  
4 707/5  
4 707/6  
4 715/968  
3 705/53  
3 705/59  
3 705/8  
2 340/995.18  
2 345/440  
2 382/220

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2 701/208  
2 701/209  
2 705/57  
2 705/80  
2 706/50  
2 707/102  
2 707/4  
2 707/9  
2 709/203  
2 709/205  
2 709/218  
2 709/227  
2 715/733  
2 715/751  
2 715/863  
2 715/971

# 10656521\_WDS.txt

ability 1  
above 1  
abstract 1  
access 10  
accompanying 1  
accordance 2  
according 21  
accordingly 1  
account 1  
add 1  
added 1  
additionally 1  
administrative 9  
administrator 5  
ads 1  
advantage 2  
advantages 1  
advertising 3  
age 2  
aggregating 4  
aggregation 2  
aggregatjqn 1  
all 2  
allows 1  
also 7  
an 56  
and 68  
any 1  
anyone 1  
apparent 1  
appears 1  
architecture 2  
are 17  
as 10  
aspects 2  
assign 1  
assigned 6  
assipzed 1  
associate 2  
associated 4  
associating 1  
association 2  
at 1  
attribute 5  
attributes 3  
authorizations 1  
authorized 1  
backeround 1  
based 6  
be 16  
become 1  
been 1  
between 2  
block 1  
both 1  
brief 1  
briefly 1  
business 10  
businesses 2  
but 1  
by 14  
calls 1  
can 1

# 10656521\_WDS.txt

capabilities 3  
categories 1  
category 4  
cation 1  
cattgory 1  
certain 1  
characterize 1  
claimed 1  
client 4  
clients 2  
code 1  
combined 1  
competitive 2  
computer 24  
concatenate 1  
conducted 2  
considerations 1  
consumed 1  
contains 1  
content 5  
copies 1  
copvriah 1  
copy 3  
copyright 3  
cost 1  
create 1  
creating 3  
ctrain 1  
customer 3  
customers 1  
da 1  
data 24  
database 27  
databases 1  
datbmse 1  
days 2  
decisions 1  
deliver 1  
delivering 4  
demographic 1  
described 1  
descrintion 1  
description 5  
desired 4  
detailed 4  
device 1  
diagram 3  
differ 1  
diminishes 1  
directed 1  
directories 1  
directory 3  
disclosure 2  
displagng 1  
display 16  
displayed 1  
displaying 10  
displays 5  
distributed 1  
distribution 1  
division 8  
divisions 1  
document 26

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documents 15  
does 2  
download 2  
drawines 1  
drawings 2  
due 3  
duplicate 1  
each 5  
easily 1  
editing 1  
effectively 1  
efficient 2  
efficiently 1  
eficiency 1  
electronic 1  
eliminating 1  
email 1  
embodiment 21  
embodiments 7  
enables 1  
entered 1  
entire 1  
entirt 1  
environment 2  
essential 1  
et 1  
evolved 1  
examples 1  
exception 1  
exemplary 1  
explanatory 1  
facsimile 2  
fax 1  
features 1  
field 1  
fig 19  
figs 4  
file 1  
flat 1  
following 3  
fonn 1  
fonu 1  
for 42  
foregoing 1  
form 5  
format 1  
friendly 1  
from 2  
function 6  
functions 2  
furthermore 2  
gathered 1  
gathering 1  
general 1  
generated 1  
geographic 6  
gives 1  
global 2  
granted 1  
granting 2  
group 1  
handle 1  
has 4

## 10656521\_WDS.txt

have 2  
hereof 1  
histories 1  
identi 1  
illustrating 2  
illustrations 1  
illustrative 10  
in 39  
include 1  
including 2  
increases 2  
individual 4  
individually 1  
industrial 1  
infonnation 1  
information 4  
inquiry 1  
instance 2  
interface 28  
internet 1  
into 7  
invention 31  
is 35  
it 2  
just 1  
keyword 1  
keywords 1  
lack 1  
laptop 1  
last 1  
launches 1  
lead 1  
least 1  
less 1  
likely 1  
limited 1  
link 1  
listing 1  
ln 3  
lnten 1  
lnternet 1  
lntranet 1  
lnvention 2  
loaded 7  
loading 2  
locate 1  
locating 1  
locations 1  
lt 1  
made 2  
mail 1  
main 1  
maintaining 3  
making 1  
management 1  
manager 4  
manipulating 1  
maps 1  
material 1  
may 22  
mction 3  
mctionality 1  
meaningful 1

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means 1  
menu 2  
merge 1  
merged 1  
metadata 6  
method 4  
methods 4  
modifying 3  
module 8  
more 1  
multiple 2  
need 1  
needed 2  
network 2  
new 1  
no 3  
not 2  
notice 1  
number 1  
numbers 2  
objection 1  
of 106  
office 1  
on 3  
once 2  
one 6  
online 18  
only 4  
opened 1  
operating 2  
operation 1  
or 36  
organized 1  
organizing 1  
other 7  
otherwise 1  
over 1  
owner 1  
page 7  
pages 1  
part 2  
pass 1  
patent 5  
personal 2  
personnel 1  
pertinent 1  
phone 1  
point 1  
portion 1  
post 1  
posted 1  
preparation 2  
present 30  
presentation 6  
presentations 17  
previous 1  
primary 2  
print 1  
printed 1  
private 2  
privileges 2  
processing 1  
produce 1

## 10656521\_WDS.txt

profile 1  
profiles 4  
protection 1  
provide 1  
provided 4  
provides 2  
providing 1  
purposes 1  
quantities 1  
quantity 3  
quedes 1  
queries 4  
query 2  
quickly 1  
rate 1  
reading 1  
records 1  
references 1  
referred 2  
related 1  
relates 1  
relevant 1  
reliable 1  
remote 4  
renders 1  
report 1  
repository 3  
representing 1  
reproduction 1  
request 1  
requests 1  
requiring 1  
research 1  
reserves 1  
resources 2  
respect 1  
respective 1  
respond 1  
response 3  
restrictive 1  
results 3  
retrieval 15  
retrieve 4  
retrieved 3  
retrieving 4  
review 1  
rights 1  
rktrieval 1  
role 3  
roles 2  
rom 1  
routine 1  
sale 2  
sales 3  
schematic 1  
screen 20  
search 10  
searches 2  
searching 3  
security 1  
select 1  
selected 1  
selecting 3

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series 1  
server 2  
servicing 1  
shared 2  
sheets 1  
showing 20  
shown 1  
significant 1  
so 5  
software 1  
software 4  
space 1  
specific 1  
spreadsheet 1  
step 1  
steps 1  
storage 1  
store 1  
stored 4  
storing 2  
structures 1  
studies 1  
subject 1  
such 2  
summarv 1  
super 4  
support 2  
supported 1  
supporting 3  
system 4  
systems 4  
ta 1  
table 6  
technical 1  
telephone 1  
that 14  
the 146  
their 1  
then 2  
there 1  
thereby 3  
these 5  
they 1  
this 4  
three 1  
thrte 1  
tht 1  
time 2  
tlow 1  
tluough 1  
to 69  
trademark 1  
transmitted 1  
two 1  
types 2  
understood 2  
unfortunately 1  
unnecessary 1  
update 1  
updating 1  
use 1  
used 1  
user 39

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users 5  
utilize 2  
utilized 16  
utilizing 1  
valied 1  
variable 1  
variety 5  
via 4  
view 10  
views 5  
visual 10  
visuals 13  
voluminous 1  
ware 3  
warehouse 1  
way 1  
web 1  
website 2  
whatssoever 1  
where 3  
which 2  
who 1  
will 2  
with 6  
within 1  
without 1  
workstation 1